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Central Valley Regional Water Quality Control Board

**NOTICE OF OPPORTUNITY TO COMMENT**

**TENTATIVE NOTICE OF APPLICABILITY  
FOR COVERAGE UNDER  
WASTE DISCHARGE REQUIREMENTS GENERAL ORDER  
R5-2015-0012  
FOR IN-SITU GROUNDWATER REMEDIATION  
OZONE INJECTION  
FOR  
SHASTA COUNTY DEPARTMENT OF PUBLIC WORKS  
BUCKEYE LANDFILL  
SHASTA COUNTY**

**NOTICE IS HEREBY GIVEN THAT** the California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) will accept comments from the public regarding the issuance of a Notice of Applicability (NOA) for the discharge of ozone into groundwater as part of the pending site cleanup pilot study (Project) at the Buckeye Landfill (Site). Based on the information submitted by Shasta County Department of Public Works (Discharger), the Project meets the required conditions for approval under Order R5-2015-0012, *Waste Discharge Requirements General Order for In-situ Groundwater Remediation and Discharge of Treated Groundwater to Land* (General Order).

The Central Valley Water Board currently regulates an environmental case at the subject property, which is owned and operated by the Discharger. In response to greater mineralization and detection of volatile organic compounds (VOCs), most significantly tert-butyl alcohol (TBA), ozone injection into groundwater was proposed, and the feasibility of cleanup is to be established via a pilot study for ozone injection into the groundwater. The Discharger initiated the pilot study in August 2018, which involved air pressure testing to monitor the pressure response in monitoring points located at varying distances from the injection points. The first phase of the pilot study confirmed the feasibility of implementing ozone injection. For the second phase of the pilot study, the Discharger has proposed a three month trial period of ozone injection into three of four injection points to collect data regarding preferential flow paths in underlying geology, while existing monitoring wells and the fourth injection point will be used to monitor the treatment zone. Monitoring and reporting during the pilot test will be conducted in accordance with the Monitoring and Reporting Program (MRP) R5-2015-0012-XXXX.

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KARL E. LONGLEY ScD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

17 February 2021

In order to conserve paper and to reduce mailing costs, paper copies are not being mailed. Interested parties are advised that the full text regarding the tentative NOA can be obtained from the [Central Valley Water Board's website](#).

The Board is soliciting comments and recommendations from the public regarding the tentative NOA. The Board will be accepting comments from **17 February 2021** until **5:00 p.m.** on **20 March 2021**. Late comments will not be considered or included in the record.

The Central Valley Water Board is a paperless office system. Therefore, please submit your comments by email or convert your comment letter to Portable Document Format (pdf) and email it to: [centralvalleyredding@waterboards.ca.gov](mailto:centralvalleyredding@waterboards.ca.gov) with a copy email to [Patrick.Decarvalho@waterboards.ca.gov](mailto:Patrick.Decarvalho@waterboards.ca.gov).

To ensure that your letter is routed to the appropriate staff member, please include the following in the subject line of the email: **Comments on Buckeye Landfill, Tentative Notice of Applicability for Coverage under General Order R5-2015-0012–Attention: Patrick DeCarvalho.**

Anyone with questions or who needs paper copies should contact Patrick DeCarvalho at (530) 224-4786 or [Patrick.Decarvalho@waterboards.ca.gov](mailto:Patrick.Decarvalho@waterboards.ca.gov).

*Original signed by:*  
Clint E. Snyder, P.G.  
Assistant Executive Officer

PD: mp

Enclosures: Attachment 1: Tentative NOA  
Attachment 2: Fact Sheet  
Attachment 3: MRP R5-2015-0012-XXXX

cc via email  
w/encls.: Ken Henderson, Shasta County Environmental Health Division, Redding  
Bryan Gartner, Lawrence and Associates, Shasta Lake  
Karl Swanson, Lawrence and Associates, Shasta Lake  
Robert Busby, Central Valley Water Board, Rancho Cordova